

#### OFFICE OF ENTERPRISE TECHNOLOGY SERVICES

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April 21, 2023

The Honorable Ronald D. Kouchi President of the Senate and Members of the Senate Thirty-Second State Legislature State Capitol, Room 409 Honolulu, Hawai'i 96813 The Honorable Scott K. Saiki Speaker and Members of the House of Representatives Thirty-Second State Legislature State Capitol, Room 431 Honolulu, Hawai'i 96813

Aloha Senate President Kouchi, Speaker Saiki, and Members of the Legislature:

Pursuant to HRS section 27-43.6, which requires the Chief Information Officer to submit applicable independent verification and validation (IV&V) reports to the Legislature within ten days of receiving the report, please find attached the report the Office of Enterprise Technology Services received for the State of Hawai'i, Department of Human Services, Med-QUEST Division, Health Analytics Program.

In accordance with HRS section 93-16, this report may be viewed electronically at <a href="http://ets.hawaii.gov">http://ets.hawaii.gov</a> (see "Reports").

Sincerely,

Douglas Murdock (Apr 21, 2023 12:30 HST)

Douglas Murdock Chief Information Officer State of Hawai'i

Attachment



# Hawaii Department of Human Services Systems Modernization Project

Final IV&V Status Report for Reporting Period: March 1 – 31, 2023

Submitted: April 17, 2023



#### Overview

- Executive Summary
- IV&V Findings and Recommendations
- IV&V Engagement Status
- Appendices
  - A IV&V Criticality Ratings
  - B Risk Identification Report
  - C Acronyms and Glossary
  - D Background Information



# Executive Summary

#### **Executive Summary**



The BES Project is now halfway through the development of the first of two planned releases. While the pace has been increasing throughout the month of March, DHS and IV&V expressed concerns with the ASI on the limited number of BES software demonstrations conducted for a larger DHS and IV&V audience. These demonstrations are a key part of the ASI's Design, Develop, and Implementation (DDI) approach, intended to show the actual working software to DHS to confirm requirements and expectations are being met. In discussions with the ASI, they plan to conduct several demonstrations in the next reporting period.

The DHS and ASI project teams are adapting to the agile software development approach. While IV&V reported a slow start after the restart, IV&V observed an increase in momentum. IV&V notes the ASI is reporting all activities and tasks are on schedule.

The Project continues to make good progress in building the BES Security Plan. The submission and approval of the Security Plan shifted from March 2023 to November 2023 - allowing for the inclusion of implemented security and privacy controls versus planned controls as originally decided.

IV&V is closely monitoring the DHS and ASI preparation activities for UAT and the Pilot. Planning for these significant events is underway, and the importance of effectively using the available time to prepare cannot be overstated.

Jan	Feb	Mar	Category	IV&V Observations
Н	M	M	Project Management	The ASI continued elaborating the project schedule, which now includes Dev Ops tasks.  DHS added a Project Manager to help manage the BES workload.

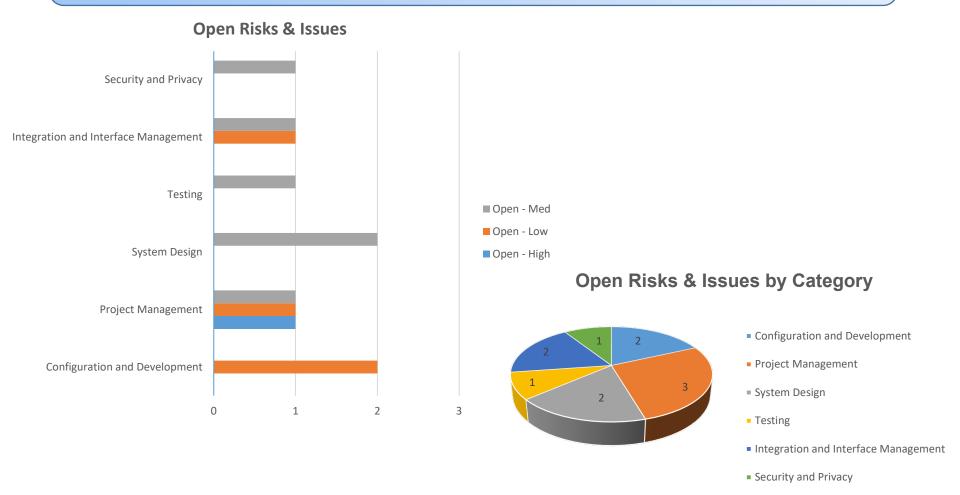
# **Executive Summary**



Jan	Feb	Mar	Category	IV&V Observations
M	M	M	System Design	The design sessions that occurred in this reporting period were ASI-internal or ad-hoc meetings with specific DHS Subject Matter Experts. The ASI is planning to expand demonstration participation with more DHS and IV&V staff to ensure the requirements are thoroughly met.
M	L	Configuration and Development The ASI added senior resources to the development team to improve productivity. The ASI added senior resources to the development team to improve productivity. The ASI added senior resources to the development team to improve productivity. The ASI added senior resources to the development team to improve productivity.		The ASI added senior resources to the development team to improve productivity. The ASI continued to evaluate Configuration Management tools.
M M and Interface		and Interface	The ASI completed work on the interface partner dashboard in Confluence. The ASI obtained a commitment from the task management system vendor to complete all required work in alignment with BES schedule requirements.	
M	To the second of the DEO. The AOI is no controlled to the second of the		The ASI determined that the currently licensed ADA compliance tool within DHS will not work for BES. The ASI is re-evaluating a tool that was previously under consideration to verify that it will meet all contract requirements.	
Н	M	M	Security and Privacy	Project work on the BES Security Plan is progressing well, although significant work remains. DHS decided not to purchase an Enterprise Governance, Risk Management, and Compliance (eGRC) tool and will instead leverage an existing Excel-based process used with other DHS systems.

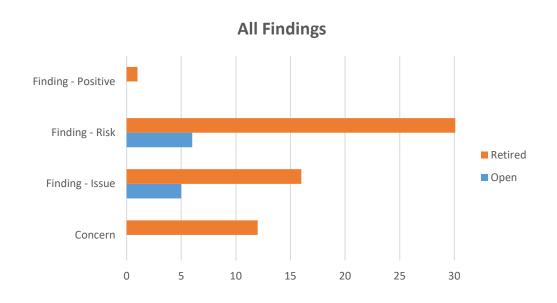


As of the March 2023 reporting period, PCG is tracking 11 open findings (6 risks, 5 issues) and has retired a total of 64 findings. All these findings were opened during the tenure of the prior ASI. Of the 11 open findings, 1 is a High criticality rating, 6 are Medium, and 4 are Low.





The following figure provides a breakdown of the 75 IV&V findings (positive, risks, issues, concerns) by status (open, retired).





#### Findings Retired During the Reporting Period

#	#	Finding	Category
7	6	Risk - Volunteer DHS resources leaving the Project may lead to schedule delays, lowered morale, and burnout.  With the BES project restart in progress for nearly three months, IV&V observed no impact to the project from DHS resources leaving. Also, the ASI has made a conscious effort to reduce the number of DHS resources needed for design review. IV&V has retired this finding.	Project Management



# Preliminary Concerns Investigated During the Reporting Period

#	Finding	Category
	None	



#### Findings Opened During the Reporting Period

#	Finding	Category
	None	



#### **Project Management**

	#	Key Findings	Criticality Rating
		Issue – Uncertainty and/or a lack of communication around long-term architecture decisions could impact the project budget, schedule, system design, and planning decisions.	
2	29	The ASI continues to re-evaluate previous infrastructure decisions and is recommending other tools they have deemed a better fit for this project. Uncertainty remains around the use of some tools including ServiceNow (SN), Splunk, and Chronicle. The ASI will go live with their interlinked portals (BES and KOLEA) strategy but may initially go live with less functionality than originally planned and/or communicated.	L

Recommendations		
The ASI should continue to update the BI-12 System Architecture Deliverable with additional details as become available and with any finalized architectural changes.	they In process	
<ul> <li>DHS should continue to ask the ASI to perform due diligence in any recommendation for foundational architecture change decisions and continue to review with appropriate DHS stakeholders to assure a counderstanding of the implications of these decisions.</li> </ul>	ommon In process	
• The Project should continue to ensure communication between development leads and architecture leads assure optimal collaboration on possible architecture changes that could impact decisions in each area	In process	



#### **Project Management**

#	Key Findings	Criticality Rating
	Issue – DHS PMO project team members have transitioned off the Project, which may cause gaps in knowledge transfer and leadership on the Project.	
43	DHS continues to advertise and accept applications for three open PMO positions. To date, DHS has struggled to attract qualified candidates and offer competitive pay scales for experienced applicants. IV&V continues to monitor the impact of the DHS PMO vacancies on the BES Project.	Н

Recommendations	Progress
DHS continue to work with the appropriate organizations to identify the funds necessary to fill these positions.	In process
DHS consider other options (Contractors, State employees borrowed from other agencies) to fill these positions if there is ongoing difficulty in finding permanent hires.	In process



#### **Project Management**

ŧ	Key Findings	Criticality Rating
	Issue – A BES Project schedule based on inaccurate estimations diminishes effective planning and resource management, which could result in late deliverables, cost increases, and a late go-live.	
7	The ASI continues to incorporate details into the project schedules (Primary and DDI) to track all the activities in progress, including dev ops tasks. IV&V will continue to validate that the schedules accupative the tasks and timing observed in the correlated workstreams and tools, such as Jira.	

Recommendations	Progress
Monitor, evaluate and revise scheduling estimates for accuracy.	In process
Confirm current assumption that a delay with the current go-live date will not result in major implications.	In process
Leverage velocity and burn-down charts to adjust development task estimates if needed.	Not Started



#### Integration and Interface Management

#	Key Findings	Criticality Rating
63	Risk – The lack of early planning and coordination with interface partners may result in schedule delays.  Interface design began in March with the HI Department of Health (DOH) vital records data exchange. The ASI created an interface dashboard in Confluence which shows several near-term Epic start dates, but key details are not yet completed for all interfaces. The interfaces are also included in the DDI schedule under Release 12. The ASI will assess the IV&V recommendations as interface work proceeds.	L

Recommendations	Progress
Complete all MOAs and obtain approval.	In process
Confirm testing dates with interface partners in writing.	In process
<ul> <li>Complete early proof of concept interfaces to avoid unexpected delays due to external organization miscommunications or their own internal delays in assisting the BES project.</li> </ul>	Not started



#### Integration and Interface Management

#	Key Findings	Criticality Rating
	Issue – External vendor delays in the development of the BES task management system interface have impacted the project schedule.	
79	The ASI met with the task management system vendor and received commitments that system updates will be made on a timely basis to avoid impacting the BES project schedule. IV&V will continue to monitor the subject of this finding and the related project activities.	M

Recommendations	Progress
The ASI re-establish regular collaboration meetings with C!A to assure strong communication and brainstorm optimal solutions for BES integration with Current.	In process
The ASI provide test results from the task management integration to ensure that the interface works.	Not Started



#### Configuration and Development

#	Key Findings	Criticality Rating
	Risk – Insufficient configuration management could lead to development confusion and reduce the effectiveness of defect resolution.	
70	The ASI is currently evaluating which Service Now (SN) modules will be the best fit for the Project and for DHS going forward. Details of exactly how they'll be using SN and the level of configuration management they intend to perform has yet to be determined.	

Recommendations	Progress
<ul> <li>ASI adhere to plans for configuration management as documented in BI-6 DDI Plan, Section 5.2 and clarify details and/or any changes with DHS.</li> </ul>	In process
<ul> <li>ASI validate plans for configuration management with DHS and agree on a meaningful set of configuration items or settings they will track.</li> </ul>	In process
DHS and ASI work to clarify/solidify plans for the potential use of configuration management tools and DHS work to fund and procure a CM tool, as required, to avoid any negative impacts to the project.	In process



#### Configuration and Development

#	Key Findings	Criticality Rating
	Risk – Development delays could negatively impact the project schedule and delay go-live.	
	The ASI is taking multiple actions to mitigate potential delays to development, including:	
	<ul> <li>Monitoring the capacity of each development team, adding resources needed to complete work as scheduled.</li> </ul>	
80	<ul> <li>Adding three highly skilled, veteran business analysts to improve system design that development teams will leverage.</li> </ul>	L
	<ul> <li>Developing a dashboard view of Epics in progress showing status and progress as well as burndown and velocity charts to show team productivity.</li> </ul>	
	The project is halfway through release 0.11, and the ASI has demonstrated only two of the twenty-six Epics in scope for R0.11. It remains unclear if the project team can complete and demonstrate the remaining twenty-four Epics in the remaining three months of the release.	

Recommendations	
• DHS request the ASI strategically add the right project team resources to effectively increase velocity. Note that adding additional junior resources may not be as effective as staffing additional expert-level development, analysis, and other resources that can lead and mentor junior resources.	In process
• ASI effectively track and regularly provide DHS (potentially via the weekly DDI status meeting) with an accurate velocity (e.g., story points per day/week/month) and assure that the current velocity is accurately and consistently reflected in the project schedule.	In process



#### System Design

#	Key Findings	Criticality Rating
61	Issue – Poorly executed JAD and "design sessions" could lead to inaccurate design and rework.  Due to the small number of design sessions IV&V observed this month, we could not measure any progress toward mitigating this finding. The ASI is increasing efforts on processes, usage of new tools, and different workflows – which included a major cleanup effort in Jira. The ASI expects the number of Epics in the design stage to significantly grow in the coming weeks, leading to more design sessions where IV&V can assess improvements.	M

Recommendations	Progress
The facilitator should use their expertise to drive discussions through leading questions.	In process
• BAs should come to design sessions fully prepared to facilitate discussion on the topic(s) of the design session.	In process
<ul> <li>The ASI to bring User Experience (UE) designers to engage with DHS and review the currently built BES solution.</li> </ul>	Complete
ASI to quickly gain lessons learned to apply to future sessions.	In process



#### System Design

#	Key Findings	Criticality Rating
	Risk – The planned BES infrastructure is complex which could be difficult to implement and maintain and could lead to schedule/cost impacts.	
73	The ASI is making updates to the BI-12 System Architecture deliverable to reflect recent changes and expects more changes soon. The ASI made good progress on the buildout of their DevOps automation scripts that will allow them to manage the cloud environments more easily. Additional BES infrastructure tasks are being added to the project schedule and should be evaluated to determine if the impact on the critical path.	M

Recommendations	Progress
<ul> <li>ASI clearly communicates the potential costs and schedule impacts to implementing the planned infrastructure. The architecture process should include steps to provide a detailed impact of DHS architectural decisions including the integration activities, support required, and maintenance and operations impacts.</li> </ul>	In process
DHS work with the ASI to assess the potential challenges of maintaining a complex environment and consider scaled-back options that could reduce this risk and reduce long-term maintenance challenges and costs.	In process
<ul> <li>ASI develop a process to closely monitor cloud and other product changes (software updates/new releases), manage changes, and regression test once updates are applied.</li> </ul>	In process
<ul> <li>The project team work to establish strong governance over the utilization and maintenance of various tools/components.</li> </ul>	Not started
<ul> <li>ASI allot time in the schedule to conduct proof of concepts to assure infrastructure components work as expected.</li> </ul>	Not started
ASI maintain a detailed schedule for DevOps implementation tasks to avoid unexpected delays that could delay project milestones and the critical path.	In process



#### **Testing**

#	Key Findings	Criticality Rating
	Risk - The Americans With Disabilities Act (ADA) Section 508 compliance tool has not been installed for the Project, which may cause significant rework.	
67	The ADA compliance tool currently used within DHS does not work the BES architecture. The ASI is evaluating an ADA Compliance tool and is working with DHS to validate it will meet all requirements. In the interim, the ASI implemented automated testing to check for screen reading compatibility.	M

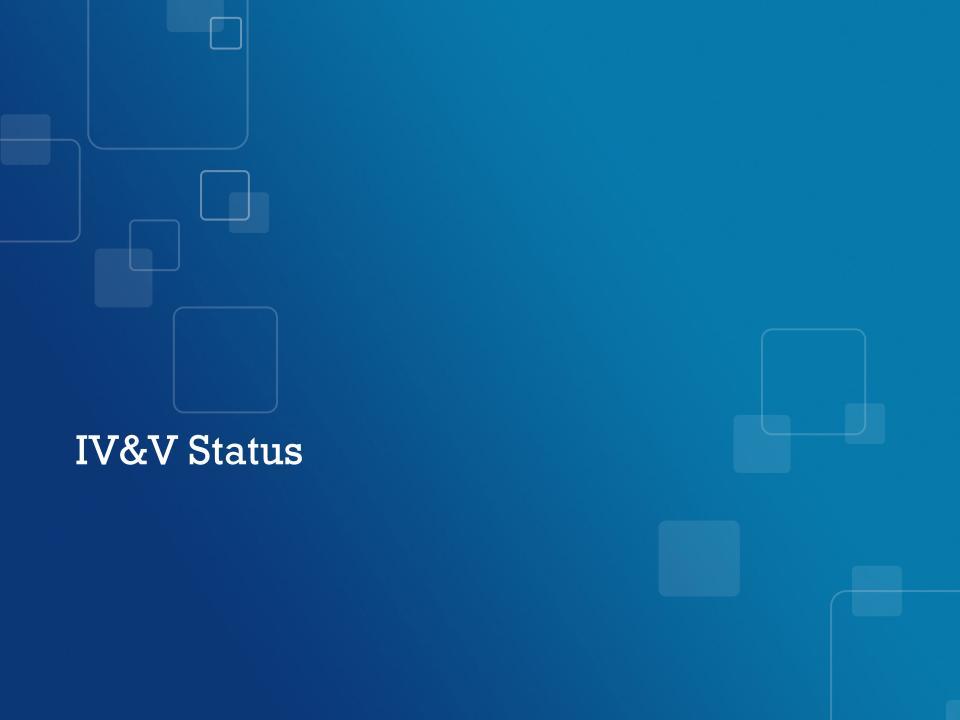
Recommendations	Progress
The ADA tool meets contractual and project requirements.	In process
The ASI communicates a plan for ADA test execution.	In process
The ASI communicates how the tool will be used to report compliance and non-compliance and how non-compliance will be addressed/corrected	In process
The ASI communicates how and when DHS/IV&V will be provided the reports from the ADA tool execution and how to interpret the results.	In process



#### Security and Privacy

#	Key Findings	Criticality Rating
	Risk - Incomplete implementation statements in the BES Security Plan activities may lead to delays in gaining Federal Partner approval for the BES Project to begin the Pilot Phase.	
68	The security meetings continue and have been productive. The ASI and DHS are identifying the controls for the BES Security Plan based on NIST 800-53 r5. The control selection is expected to complete in April and has progressed faster than expected. The option to use an electronic Governance, Risk, and Control (eGRC) is not currently viable for DHS; the BES project team will continue to use legacy tools.	M

Recommendations	Progress
The ASI continues to develop the BI-13 Security Plan in close collaboration with DHS.	In process
<ul> <li>DHS and the ASI agree upon the tools and process that will be used to document and track security control implementation, such as security governance, risk, and control (GRC software). The process should define the level of detail needed to track progress (estimates, target dates, risks, issues, evidence) along with the Requirement Traceability Matrix, and plans of actions and milestones (POAM).</li> </ul>	Complete
An eGRC system be included in a future Advanced Planning Document to seek federal funding assistance for licensing and implementation.	Not Started



# IV&V Engagement Status



IV&V Engagement Area	Jan	Feb	Mar	Comments
IV&V Budget				
IV&V Schedule				
IV&V Deliverables				PCG submitted the final February IV&V Monthly Status Report.
IV&V Staffing				
IV&V Scope				

	Engagement Status Legend	
The engagement area is within acceptable parameters.	The engagement area is somewhat outside acceptable parameters.	The engagement area poses a significant risk to the IV&V project quality and requires immediate attention.

#### **IV&V** Activities



- IV&V activities in the March reporting period:
  - Completed February Monthly Status Report
  - Ongoing Review the BES Project Artifacts and Deliverables
  - Ongoing Attend BES Project meetings, (see <u>Additional Inputs</u> pages for details)
  - Reviewed available ASI contracts and contract amendments documentation.
- Planned IV&V activities for the April reporting period:
  - Ongoing Observe BES Design and Development sessions as scheduled
  - Ongoing Observe Bi-Weekly Project Status meetings
  - Ongoing Observe Weekly Architecture meetings
  - Ongoing Observe Weekly Security meetings
  - Ongoing Monthly IV&V findings meetings with the ASI
  - Ongoing Monthly IV&V Draft Report Review with DHS, ETS and ASI
  - Ongoing Participate in Bi-Weekly DHS and IV&V Touch Base meetings
  - Ongoing Review BES artifacts and deliverables

#### **Deliverables Reviewed**



Deliverable Name	Deliverable Date	Version
BI-5 Project Schedule - BES 2023 Primary	03/25/2023 03/18/2023 03/11/2023	N/A
BI-5 Project Schedule - BES 2023 DDI	03/25/2023 03/18/2023 03/11/2023	N/A
BI-08 Technology Environnements Specifications - DEV1	03/24/2023	V0.2

## Additional Inputs – Artifacts



Artifact Name	Artifact Date	Version
BES 2023 Design Kanban board	N/A	N/A
RO.11 Epic Assignment	N/A	N/A
FNS Handbook 901	01/2020	V2.4
NIST Special Publication 800-53 Security and Privacy Controls for Information Systems and Organizations	12/20/2020	Rev.5
One RTM (Aha)	N/A	V1
Interface Dashboard – Confluence page	N/A	N/A
BES 2023 Implementation Planning – Confluence page	N/A	N/A

#### **Additional Inputs**



#### **Meetings and/or Sessions Attended/Observed:**

- 1. Weekly Platform Status Meeting 3/7/2023, 3/14/2023, 3/21/2023, 3/28/2023
- 2. IV&V Team Meeting 3/2/2023, 3/6/2023, 3/9/2023, 3/13/2023, 3/16/2023, 3/21/2023, 3/23/2023, 3/27/2023
- 3. IV&V February 2023 Pre-Draft MSR Findings Review 3/2/2023
- 4. IV&V March 2023 Pre-Draft MSR Findings Review 3/31/2023
- 5. HI DHS BES February Draft IV&V Report Review 3/13/2023
- 6. IV&V March Findings Roast 3/31/2023
- 7. PMO End of Day Huddle 3/1/2023, 3/2/2023, 3/7/2023, 3/9/2023, 3/14/2023, 3/15/2023, 3/16/2023, 3/21/2023, 3/23/2023, 3/30/2023
- 8. Bi-Weekly DHS and IV&V Touch Base 3/7/2023, 3/21/2023
- 9. Weekly BES Infrastructure meeting 3/3/2023, 3/10/2023, 3/17/2023, 3/24/2023, 3/31/2023
- 10. DHS/IV&V Check-in 3/9/2023, 3/23/2023
- 11. Weekly Client BES 2023 Project Status Meeting 3/1/2023, 3/8/2023, 3/15/2023, 3/22/2023
- 12. (External) Epic 110 Alerts and Special Indicators Design Meeting- 3/1/2023
- 13. BES Exec Meeting Topics 3/6/2023
- 14. Security Touchpoint 3/2/2023, 3/8/2023, 3/15/2023, 3/22/2023, 3/29/2023
- 15. BES Touchbase Prep 3/7/2023, 3/21/2023
- 16. (External) BES 2023 Project Meet & Greet with OIT -3/7/2023
- 17. (External) IBM Aspera SFTP-3/10/2023
- 18. (External) ServiceNow for BES-3/13/2023
- 19. March Mid-Month ASI/IV&V Findings Review 3/15/2023
- 20. BES Security Controls tailoring 3/3/2023, 3/7/2023, 3/10/2023, 3/14/2023, 3/23/2023, 3/24/2023, 3/28/2023
- 21. External BES Data Conversion Discuss FIS Data Extract 3/15/2023
- 22. HI Testing and Implementation 3/15/2023
- 23. Executive Steering Committee Meeting—3/16/2023
- 24. Koolau Pilot Meeting & visit 3/22/2023
- 25. (External Epic Demo) Epic 123 Client Management, Demographics, Citizenship (Manage Alias) 3/22/2023





## Appendix A – IV&V Criticality Ratings

Criticality Rating	Definition
Н	A high rating is assigned if there is a possibility of substantial impact to product quality, scope, cost, or schedule. A major disruption is likely, and the consequences would be unacceptable. A different approach is required. Mitigation strategies should be evaluated and acted upon immediately.
M	A medium rating is assigned if there is a possibility of moderate impact to product quality, scope, cost, or schedule. Some disruption is likely, and a different approach may be required. Mitigation strategies should be evaluated and implemented as soon as feasible.
L	A low rating is assigned if there is a possibility of slight impact to product quality, scope, cost, or schedule. Minimal disruption is likely, and some oversight is most likely needed to ensure that the risk remains low. Mitigation strategies should be considered for implementation when possible.

## Appendix B – Findings Log



The complete Findings Log for the BES Project is provided in a separate file.

## Appendix C – Acronyms and Glossary



Acronym	Definition
APD	Advance Planning Document
ASI	Application System Integrator
BES	Benefits Eligibility Solution
CCWIS	Comprehensive Child Welfare Information System
CM	Configuration Management
CMMI	Capability Maturity Model Integration
CMS	Center for Medicare and Medicaid Services
CR	Change Request
DDI	Design, Development and Implementation
DED	Deliverable Expectation Document
DHS	Hawaii Department of Human Services
DLV	Deliverable
E&E	Eligibility and Enrollment
EA	Enterprise Architecture
ECM	Enterprise Content Management (FileNet and DataCap)
ESI	Enterprise System Integrator (Platform Vendor)
ETS	State of Hawaii Office of Enterprise Technology Services
FIPS	Federal Information Processing Standard
HIPAA	Health Information Portability and Accountability Act of 1996
IDM	Identity and Access Management (from KOLEA to State Hub)
IEEE	Institute of Electrical and Electronics Engineers
IES	Integrated Eligibility Solution
ITIL	Information Technology Infrastructure Library



# Appendix C – Acronyms and Glossary

Acronym	Definition
IV&V	Independent Verification and Validation
KOLEA	Kauhale On-Line Eligibility Assistance
M&O	Maintenance & Operations
MEELC	Medicaid Eligibility and Enrollment Life Cycle
MEET	Medicaid Eligibility and Enrollment Toolkit
MOU	Memorandum of Understanding
MQD	Hawaii Department of Human Services MedQuest Division
NIST	National Institute of Standards and Technology
OE	Operating Environment
OIT	Department of Human Services Office of Information Technology
PIP	Performance/Process Improvement Plan
PMBOK®	Project Management Body of Knowledge
PMI	Project Management Institute
PMO	Project/Program Management Office
PMP	Project Management Plan
QA	Quality Assurance
QM	Quality Management
RFP	Request for Proposal
ROM	Rough Order of Magnitude
RMP	Requirements Management Plan
RTM	Requirements Traceability Matrix
SEI	Software Engineering Institute
SLA	Service-Level Agreement
SME	Subject Matter Expert



# Appendix C – Acronyms and Glossary

Acronym	Definition
SOA	Service Oriented Architecture
SOW	Statement of Work, Scope of Work
VVP	Software Verification and Validation Plan
XLC	Expedited Life Cycle

## Appendix D – Background Information



#### **Systems Modernization Project**

The DHS Enterprise Program Roadmap includes contracting with three separate vendors with the following high-level scope:

- ESI or Platform Vendor responsible for the shared technology and services required for multiple Application vendors to implement and support functionality that leverages the DHS Enterprise Platform.
- ASI or ASI Vendor responsible for the DDI of the Benefits Eligibility Solution (BES Project) enhancing the currently implemented Medicaid E&E Solution (KOLEA) and providing support for the combined Solutions.
- CCWIS Vendor responsible for the DDI of the CCWIS Solution to meet the needs of child welfare services and adult protective services (CCWIS Project) and providing support for the Solution.

#### **Systems Modernization IV&V Project**

IV&V performs objective assessments of the design, development/configuration and implementation (DDI) of DHS' System Modernization Projects. DHS has identified three high-risk areas where IV&V services are required:

- Transition of M&O from DHS' incumbent vendor to the ESI and ASI vendors
- BES DDI
- CCWIS DDI

On the BES DDI Project, IV&V is responsible for:

- Evaluating efforts performed by the Project (processes, methods, activities) for consistency with federal requirements and industry best practices and standards
- Reviewing or validating the work effort performed and deliverables produced by the ASI vendor as well as that of DHS to ensure alignment with project requirements
- Anticipating project risks, monitoring project issues and risks, and recommending potential risk mitigation strategies
  and issue resolutions throughout the Project's life cycle
- Developing and providing independent project oversight reports to DHS, ASI vendors, State of Hawaii Office of Enterprise Technology Services (ETS) and DHS' Federal partners

#### Appendix D – Background Information



#### What is Independent Verification and Validation (IV&V)?

- Oversight by an independent third party that assesses the Project against industry standards to provide an unbiased view to stakeholders
- The goal of IV&V is to help the State get the solution they want based on requirements and have it built according to best practices
- IV&V helps improve design visibility and traceability and identifies (potential) problems early
- IV&V objectively identifies risks and communicates to project leadership for risk management

#### PCG's Eclipse IV&V® Technical Assessment Methodology

- Consists of a 4-part process made up of the following areas:
  - 1. **Discovery** Discovery consists of reviewing documentation, work products and deliverables, interviewing project team members, and determining applicable standards, best practices and tools.
  - 2. Research and Analysis Research and analysis is conducted in order to form an objective opinion.
  - 3. Clarification Clarification from project team members is sought to ensure agreement and concurrence of facts between the State, the Vendor, and PCG.
  - 4. Delivery of Findings Findings, observations, and risk assessments are documented in this monthly report and the accompanying Findings and Recommendations log. These documents are then shared with project leadership on both the State and Vendor side for them to consider and take appropriate action on.

#### **IV&V** Assessment Categories for the BES Project

- Project Management
- Requirements Analysis & Management
- System Design
- Configuration and Development
- Integration and Interface Management

- Security and Privacy
- Testing
- OCM and Knowledge Transfer
- Pilot Test Deployment
- Deployment

#### Endina Slide



**Solutions that Matter** 

Finding	Identified						Analyst	Finding		
10 Tale Today Could regarded impact Fors, Michael Today Children T	Use Citizony (/30/20) Citizony (/30/20) Citizony Evologement	they have been unable to achieve and/or maintain their expected development velocity. Previously, the development team was challenged with accurately estimating development task level of effort (i.e., story points) and the project has been challenged with producing a project	If the ASI is unable to achieve a velocity that enables then to ment justice. If the ASI is unable to achieve a velocity that enables glosing piece distinct. Failure to achieve a level of accuracy in estimating development tasks coally active a velocity of the active and the active and the active active and the active acti	resources to effectively increase velocity. Note that adding additional junior resources may not be as effective as staffing additional expert-level development, analysis, and other resources that can lead and mentor junior resources. 453 feffectively track and regularly provide DHS (potentially to the weekly DDI status meeting) with an accurate velocity (e.g., story points per day/week/month) and assure that the current velocity is accurately and	Terent Horizon Impeliance	3 Probability	Priority 1 tow		Strick Jodes*  A721/23 The A501 sallage matriple sactions to mitigate potential datays to  A721/23 The A501 sallage matriple sactions to mitigate potential datays to  A721/23 The A501 sallage matriple sactions to matrix of each development  tams, adding resources needed to complete work as scheduled. Adding  them heighty sallage, where business analysis to improve system design that  development tams will leverage. **Developing a darbibout view of figics in  characteristic sacross the same sacross that the same sacross that the same sacross that the  A501 sacross that the same sacross that the same sacross that the same sacross that the  A501 sacross that the same sacross that the same sacross that the  A501 sacross that the same sacross that the same sacross that the  A501 sacross that the same sacross that the same sacross that the  A501 sacross that the same sacross that the same sacross that the  A501 sacross that the same sacross that the sacross that the  A501 sacross that the sacross that the sacross that the  A501 sacross that the sacross that the  A502 sacross that the sacross that the  A502 sacross that the sacross that the  A502 sacross that	Vendo/ Connect 1
79 Istarral verdori deleja in the development. Reproliti, Finding - of the BES shamagement system. Mark Issue Interface have impacted the project schedule.	nterface Management	related tasks. The Benefits Eligibility Solution (BES) will interface with the Current system to manage tasks. The BES years will create tasks and will send them to Current. BES does not have the capabilities to manage or close which will be the companies of the companies of the Workers claiming status and Supervisors will manage tasks from within the Current system. The webbook is being designed by CIA that will provide task details for cases that have been tagged as No Contact.	webhook) to be completed by 04/07/2012. Cla reported that the webhook development was well die done by 06/17/2012, not 06/15/15/2012, the ASI has not received any status from CIA. The webhook detay has previously impacted the projects critical path.	to ensure that the interface works.	Q3	S	1 Med		CRJ12/10273 - The ASI met with the task management system wendor and received commitments with system updates with emidde on a timely basis exceeded that the system of th	
74. ABS Project schedule based on accurate Mollon, Brad Finding - estimations deminishes effective planning laud executed management, which could support the second state of the second s	11/29/2021 Project Management	results that have not yielded improvement. Concerns with the structure, estimating practices, and ability to manage to the schedule persist. The use	If estimates for project schedule activates are not active. The can extend construct the class of the construct schedule change, resources not being available when needed, nucleal activities, and general frustration which can lead to schedule delays, have quality output, scape changes, and budget issues.	Confirm current assumption that a delay with the current go-live date will	Immediate	4	2 Med	Open	3/11/2023 - The All continues to incorporate details to the project schedule (Pintrus par Ollo to text all the service in progress; including der opp tasks, 50V will continue to validate that the schedules securately continued to the service of t	
73 The planned BS infrastructure is compiler. Fors, Michael Finding - which could be filled to implement and lead to schedul/focit impacts.	10/28/2021 System Design	Current & Infrastructure plans include a significant number of suphisticated compress that make up a complex cloud infrastructure. Further, the Project Team has yet to finalize components that will make up the IRS of Infrastructure and the additional counts of them to configure and the IRS of Infrastructure and the IRS of Infrastructure. and implement the planned complex environment remain unclear, and implement the planned complex environment remain unclear.	infrastructure and application-level bugs. Further, some components remain in an immature state compared to their legacy counterparts. For example, the project recently experienced a system failure because Google	implement and maintain the planned infrastructure. The architecture process should include the pixel power for a feet and the pixel process should include and pixel power for equivalent and maintainness and operations impacts. A real's will wish the fixel possess and maintainness and operations impacts. A real's will wish the fixel possess scaled back options that could reduce this risk and reduce long term maintainness challenges and costs. A 56 developed a process to diseasely monitor could and other product changes (coftware upstates rare applied. A manage changes, and costs. A 56 developed a process to diseasely monitor could and other product changes (coftware upstates rare applied. A progress of the control operation of the project term work to establish storage powers and over the utilization and the control of the company of the control of concepts to some uniform and control of concepts to some rifer shortcure company work as expected. A 56 maintain a detailed schedule for Dodge.	Next several month	3	3 Med	Open	\$\frac{1}{2}\$ All prices 2.3 - The Rel is making updates to the 81-12 System in chitecture  deliverable to reflex creen changes and equations one changes soon. The  ASI made good progress on the buildout of their DecOp's adomination scripts than while allow them in manages the cloud environments more example.  ASI made good progress on the buildout of their DecOp's adomination scripts and should be evaluated to determine if they impact the critical path.  ASI Progress of the control of the contro	

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Finding Identified				Ал	alyst Finding		
10 Talls Gardiners Configuration management Fore, Michael Finding \$223/2021 Configuration and Final Fore, Michael Final	relies on Github for tracking of some configurations. are included in the o	is understood and works correctly. The BES solution at at may produce a level of automation for Configuration at may reduce errors and should provide the project team mynamic and timely information on some of the configuration AS it is critical that PHS/ASI agree to the full list of trens that me the configuration plan along with the details regarding the rethe configuration thems, reporting and audit features.	SI work to clarify/solidify plans for the potential use of configuration anagement tools and DHS work to fund and procure a CM tool, as quired, to avoid any negative impacts to the project. COMPLETED • entify the DHS POC for the Configuration Management Activities that	mpact Probability Pr 2 2 Lo	ority Status w Open	Statist Lights — The ABI is currently evaluating which Service Nove (INI) modules will be the best if for the project and for DHS going forward. Cheals of a statistic ordinary of the project and for DHS going forward. Cheals of a statistic ordinary of the project and the project of the project and the project of the project and the project of the pr	9/9/2021 - RAP: We look forward to receiving specific inquiries from the IV&V team on configuration management and
		×	oude provide oversight of configuration management activities and assure finefact (st steps and parts are being followed; are effective, and are thereing CHS objectives for CM. 7/11/2022.			this funding once related project activity has beginn 12/13/12/02 - No material spides in the reporting period as the work stopages continued and the new AS conducted relater planning. NY will reassest his fielding and the period of the period of the period period and the work stopages continues and the new AS conducts restart planning. 10/13/127 - No work has been performed regarding the friending due to the work stopages and oppong stratistion to the new AS. IV will reassest our recommendations for this period of the period of the period period of the period period of the period stratistics to the new AS. IV will reassest our recommendations for this of any resources including the less of all strategies, which could executable this risk. Will the recent work stopages and planned reassignment, Prix is cort saws or the planning to milipast the risk. California to cort saws of the planning to milipast the risk. California to cort saws of the planning to milipast the risk. California to cort saws of the planning to milipast the risk. California to primary points of contracts for ASI to work with configuration management efforts. NY remains concerned that some configuration management efforts. Put Period previously and an accurate the California concerned that some configuration management (ASI California to previously account the California around the California the California concerned that some configuration around the California concerned that some continued to the continued to the configuration around the California concerned that some continued to the configuration of the configuration and th	having conversations. We do a Annovelege that the plan likely needs to be updated to reflect the processes in place on the project for coding users in place on the project for coding users.
Bit Incomplete Implementation statements in Heath, Dustin Finding - 7/28/2021 Security and the EBS System Security Plan may less to Rick dollars in Brick of Privacy dollars in gaining Federal Partner approval for the BBS Project to begin the Plot Phase.	through the planning efforts to develop the BI-13 Security Plan while also managing through ASI Security Lead staffing changes. DHS and the ASI spread to modify the BI-13 Security Plan Deliverable Expectation Document (DED) last month and are currently revising it to align to the requirements and changes to the projects rise. Inception.	rity and Privacy Requirements/Controls prior to entering the co e are many standards that must be met, and the project like the BES Security Control Implementation Workbook to status of each control. The Security Control Implementation prior be detailed and allow for ease of referencing to the Security ds, Controls, and Implementation plan along with evidence so	PRI. *The AG continues to develop the Bi-13 Security Plain in close  ASAP Industrials with U.S. A modify System be included in sharer Advanced among Document to seek federal funding satistance for literating and elegenerations. COMPATI: "CHS and the ASI gave goon the tools and concesse that will be used to document and track security control  of the security control  o	3 3 Mr	ed Open	03/11/2023 - The security meetings continue and have been productive. The 84 and OHS are developing the controls of the ESS security Plan based on NST 800-31 S. The control selection is espected to complete in April and has progressed flave them especent. The openion to use an electronic Governance, RNA, and Control (eRICR) in not controlly valide for DRIS, the Control of the Control of the STP System Security Part. This includes the selection of the control of the STP System Security Part. This includes the selection of the control of the STP System Security Part. This includes the selection of the control of the STP System Security Part.	9/9/2021 - RAP: The decision to move to GCP for deployment has driven the need for a complete rewrite of the security plan per DHS. The ASI is in the process of
		de de de de de de de de de de de de de d	COMM_COMPETE #3/12/023 - A5 ensure that the Aff Security Issael has a global engineerine in 1800 50 and engineerine authoring plearmentation statements of System Security Flars (159)*. Complete 12/2/023 - 105 review the proposed staff resums, interview individual, despress resource to ensure that they meet the position's contractual and proposed to the proposed staff resums, interview individual, despress resource to ensure that they meet the position's contractual and the proposed staff of the proposed staff resums and the proposed staff of the ward the adoption of 800-51 Rev 5 sizes fine's 4 will be desirated when the threat region less. COMPETE 13/10/22-01 Section 4 for the quarterments for gol two based on their meeting and proofs AS with propose quarterments for gol two based on their meeting and proofs AS with proposed proposed to a complete the proposed contraction of the curry planning meetings and workshops, COMPETE 7/12/2022 - AS add Security Activities to the Proposed CASP to such with the Security Plan Totales. COMPETE 11/30/2023			and is consistent with NOT 800-35 guidance. At the ent of of reforum, the AD and CHS began for borrois desiction possess in NOT 800-36 moderate \$55°. Additionally, the AD and CHS began for the CHS beg	plaining the effort to make these updates. The effort required to complete this work will be included in either the GCP change request or a new change request We look forward to additional discussions with IV&V and DHS.
67 The Americans With Disabilities Act (ADA) Tan, Ryan Finding - 7/12/2021 Testing Section 508 compliance tool has not been Risk installed for the Protect, which may cause	successfully completed the ASI confirmed that there is currently no working compliant to obtain tool installed and that Section 508 compliance testing has not been The ADA Section 508	ain State and Federal funds for the development of the BES. fin 508 Intent is to make electronic and information Th	731/2022 - The following recommendations will be evaluated for this As soon as possible indige, The ADA tool meets contractual and project requirements.  As soon as possible in AS communicates plan for ADA test execution.  The AS communicates plan for ADA test execution.	3 3 M	ed Open	review an approve this proposed start to ensure that they meet the opinition's constructing requirements. (19/1) 2022- With the transition to the new AS, the leve continued is security tasked will be fill filled by a new 3/13/10023 ** The Association of Security Lead with the This Sec extend work the MESS architecture. The ASI is evaluating an ANA Compliance tool and its working with Sec solvable to will east a fill requirements. In the	9/9/21 - RAP: The ASI has invited the IV&V to
significant rework.	performed. This risk has been discussed with the Act of sea. The Act of the past several sections are considered to the Act of the A	sible to people with disabilities (e.g., color blindness, or glasbilities), in awy that is companable to the access or ser. Fart of the system acceptance criteria for BES is to meet. As the and federal politices, laws, regulations, and Standards, and Standards, and Standards and Admirad saccistated with Section Side of the Rehabilitation with Section Side of the Rehabilitation with the ASI proposed Technical Requirements mater. The outern empilies with Tible Standier standards as con-	memuricate how the tool will be used to report compliance and non-modificate and how non-compliance will be done compliance will be done compliance will be done for compliance will be done for compliance will be done for the provide for the reports from the compliance will be done for the compliance will be done for the compliance of the compliance to do will be put into compliance to the compliance to do will be put into compliance, bow non-compliance, bow non-compliance, bow non-compliance, bow non-			interion, the ASI implemented automated testing to check for screen reading compatibility. J 2012/2013— The report is checking different ADA compliance book. DRIS currently uses Site Improve in other areas and the ASI is reviewing in Establiship for this report. The ASI requested as Cacces to the Site Improve book for a Proof of Cancest (PICK) Additionally, the ASI cancested access to the Site Improve book for a Proof of Cancest (PICK) Additionally, the ASI cancested access to the ASI interior and ASI interior access to the ASI	make contact with the development team to review the results of the desk-top tool to gain insight. To date, the NWA has not contacted the development lead to have further
	nondiscrimination s (https://www.hawai Guidellines from the	parts of Section 508 of the Americans with Disabilities Act (ADA), nondiscrimination safeguards in 45 CFR 85.". If the Hawaii guidelines	compliance will be corrected, and how and when DHS/MV will be provided the reports from the ADA compliance tool and how to interpret those reports for the code from previous current and future releases.			as the work stoppage continued and the new AS conductor dreatn't planning, IV-will response the finding and on associated recommendations occur more is known. I 11/30/2021. Find material update in the reporting planning. 10/11/20/2021. How soft has been price made regarding the finding due to the work stoppage and origining transitions to the new ASL IV/W will reseases our recommendations for the finding one more is known. 9/30/2022. OHS issued a work stoppage, and no progress was made to move forward with purchasing the ASI recommended ASA compliance bod. 8/30/2022. Hot change in status, Vasting on This acceptance/approval to move forward with purchasing the ASI recommended ASA compliance bod. 8/30/2022. Hot change in status, Vasting on This acceptance/approval to move forward with purchasis, installation, configuration, and	discussions on this topic.
63 The lack of early planning and coordination Reynolds, Finding - 1/21/2021 Integration and	The following planning and execution items have not yet been addressed DDI project often un	n underestimate the time needed to effectively manage all	PEN S. Complete all MOAs and obtain formal approvals. 6. Confirm Q4 2021	4 1 Lo	w Open	The AS successfully completed the ABA compliance tool proof of concept and provided reports to DES for their review and approval. The final steps remaining would be the purchase, installation, and implementation of the property of the property of the	
with interface partners may result in Mark Risk Interface schedule delays. Management	coordination, design, and testing activities (Unit Test, SIT, UAT) Interface interface partners w	ecution activities along with milestone dates can minimize that delays, in addition, after planning has been completed, CL six swill have to be available during interface implementation the interfaces are properly developed and tested before described to the complete of	sting dates with interface partners in writing. 7. Complete early proof of more point interface to some disreparted delays in assisting the EES project. Incommunications or their own internal delays in assisting the EES project. MOMENTE 1. Establish on communication plan for each interface partner for elevation of the EES DID activities. COMPLETED 10(2) 2. Learnity and the elevation of the EES DID activities. COMPLETED 10(2) 2. Learnity and the contraction of the EES DID activities. COMPLETED 10(2) 2. Learnity and the contraction of the EES DID activities. COMPLETED 10(2) 4. Complete the conditation, and execution and share with the interface partners. MOMENTED 10(2) 4. Complete mis which followed by unlicitude the details sociated with the planned connectivity and detailed technical designs of interface. COMPLETED 0(3) 4.			Health DOMY with records date acchange. The ASI created an interface databased in Confidence within those serves make term Epic start dates, but lay defails are not yet completed for all interfaces. The interfaces are also included in the Sick-Schedule under fleatings. 2.1 The ASI will susses the NV recommendations as interface work proceeds. 02/18/2023 - The new ASI is reviewing all the Elis interfaces and Indiange a Confluence databased to track and progress and status of each invariate. 02/13/2023 - databased to track and progress and status of each invariate. 02/13/2023 - start of the ASI of the A	7/20/21 RAP - The ASI team requests that the IV&V reassess the severity of this risk in light of the following reasons: a) the ATC schedule extension has made the urgency for tackling these tasks less than it was before
						reasses this finding and our associated recommendations once more is loow. 11/8/2012—20. I monitural update in the reporting periods as the work stopage continues and the new ASI conducts restarts planning. 10/11/12—18 work has been performed registring this finding due to the work stopage and caponing transition to the new ASI. Now Will reassess our recommendations for this finding one more in Service. 10/9/12/20 by material update in the reporting period. 20/12/20/20 he statuses of the state of the state of the state of the state of the 0/0/1/20/20. When canced the DPS agreement (MAOI not /7/20/202. The statuses of the three remaining regarded agreements are as follows. The OAIS agreements in connect more of the MAOS agreements in connect from the MAOS agreements are so follows.	that started lessening the schedule risk, b) the increase from Medium to High in May was baseding of the current state of the MOA's and contact metrics, c) substantial progress has made against each of the In
						Lead-sig generate, is source, or what with only operative reviewed used.  Use MRCM and recommended in to DLIR. The fallest of any of the entir? was sent to the DRS solvenctor of the set the reducts from BESSO and MRCM (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 agreements obtained by (BOSS, DLIR, O'F), and (\$9/\$0/2022 - There are 4 ag	Progress recommendations, and it continues to trend in the right direction. In regards to

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Water   Wate		Finding	Identified						Analyst	Finding			
Part	D Title	Reporter Type	Date Category	Observation	Significance	Recommendation						Client Comments	Vendor Comments
Mark			11/30/2020 System Design					2 5 1	Med				
Marche   19	could lead to inaccurate design and rework.	Issue											
Manual part					Do the JAD participants understand now the Case will be managed through	Tacilitate discussion on the topic(s) of the design session Asi to quickly							
March   Marc				participation On many occasions the conversation needed to be driven by	workflow? (2) What improvements will be made in the new BES to support	gain lessons learned to apply to future sessions. Closed - JAD and design							
Part				leading questions, as expected, but was instead. lead by business users -	the users and clients? Incomplete or unclear JAD sessions with insufficient	sessions should be lead by experienced senior BAS, with goals, objectives					the number of Epics in the design stage to significantly grow in the coming		
March   19													
Part													
Part													
Part				worknow could be designed to ease/improve process for client									and Social damo's
A Designation of the content of th						hark-track significant differences in design direction to determine the cont					progress in addressing some of the recommendations of this finding other		
Part											concerns continue. TVV suggests the ASI team review and apply the		
Part													to have limited
Part						currently built BES solution. COMPLETE - The Product Owners should have	e				going forward. 1/31/2023 - The new ASI is in the start-up phase and as		
Mark   Part													
Part						collaboration. 10/5/21 Complete - The Functional Design Document					IVV looks for the ASI to quickly incorporate the recommendations in this		about the participation
Part													of the IV&V for two
Separation of the control of the con						shared with all project team members. (Closed, 1/31/2022) - Invite IVV to	all				development. 12/31/2022 - The new ASI continues to develop its approach		
# 17 Manual Angle was a large was a proper plant of the p													
Part													
Company   Comp											11/30/2022 - The new ASI is revising the approach to the BES design		
Property of the content of the con													
Marked particular below in the particular below in t													
1													
Majerna particular   Majerna						Analyst are not running the meetings alone. Complete 7/31/2022							
The proper particular proper p													
4 September 1997 and september 1													
Section of the region with day of the region with the property of the party of the	43. DUE DAGO	Malley Book Floring	1/10/2020 Perlest	As accorded to contract and the contract and the part and are	The law construction that the BPP Best and the bounded and block of	3/38/3033 DUF soulder alter selfers (Controller Date soullers)	4540	2 5	tinh.	0	nave raised concerns about a lack of a cohesive design and a user	03/08/2023 Pulsa Parabas dans antique and not a black additional and	
And provided provided and provi							MARY	s 5 1	uRij				
and plant pl		Issue	Management										
See the fine the content of states of the cont					and knowledge is critical for the RES DDI and YOLEA Modifications, and	with the appropriate organizations to identify the funds pergraps to fill							
See the part when part weight to a permit was all to a permit was	leadership on the Project.												
September 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1													
Fig. 12 discussed in claracy in the first or control may be reported by the control may be re													
To Disease and part of the Control o				Carring known.			-						
See							v						
Applied   Part						resource as required by the RFP (reference RFP section 3.5.1.2 'Benefits	,						
In such that the supplemental search of the supp											resources could lead to Project delays if Program PMO responsibilities are		been closed and the
Part of the part o						0. ,							
2 Dunations parties and a formation for the second parties and a second											the work stoppage continued and the new ASI conducted restart planning.		project remains strong
A control program deligned and the service of the part											IVV will reassess this finding and our associated recommendations once		hands from DHS. We
29 Long-toning which is a long-toning toning and the last											more is known. 11/30/22 - No material update in the reporting period as		recommend that the
29 Unarriang wife a fine of communication for a fine of proper and indicates and design changed as a fine of proper and indicates and desi													
and continued and the second processing and second processing proc													probability of impact
In the part of particular particu													
27 International part of the date of the part of the part of the date of the part of the date of the part of the part of the date of the part of the p													
29 Uncraining welfor a bias of communication for sw. Michael Products with a straining product of a simple control of the straining product of the													
29 Uccentave people a lack of communication for, Modal Finder should general colors agreed the extinction of the colors and agreed the lack of communication for the colors and agreed the lack of the policy of the											applicants for the three PMO positions these positions remain unfilled.		
And continues were not immediately and per formal some and continue of the con													
29 Uncertainty angle a last of communication from, Michael Project Liber/desires for the control project Lib													
29 Userstraing and/or a lack of communication Forw, Michael Findings amount form or project indication, pistform and Extra Could image project indication, pist											not have visibility to the full impact of the delay in filling these positions.		
32 Descripting particles and and communications for such dark for monoconditions of the format and													
29 Uncertainty and/or a lock of communication Fore, Michael Rodge - Management was all bearing and several program architecture decisions to such as a communication for the last several year since project inclination, platform and BES are under the project and planted and program architecture decisions where well shappened and planted and program architecture decisions. When the project architecture decision was a communicated to a few and planted and plante													
29 Contracting angle is a basic documentation from Model Pendings - 14/2/2019 Project according for a basic discontract or for angle in a basic discontract or interval position of a support of a basic discontract or interval position of a support of a basic discontract or interval position of a support of a basic discontract or interval position of a support of a basic discontract or interval position of a support of a basic discontract or interval position of a support of a basic discontract or interval position of a support of a basic discontract or interval position of a support of a basic discontract or interval position of a support of a basic discontract or interval position of a support of a basic discontract or interval position of a support of a support of a basic discontract or interval position of a basic dis													
around ong with marchitecture decisions. Issue  Assagement your architecture decision with sever of all supplied and expert burst, system, and place of the proper burging, system, and place of the proper burging system, system, and system, an	39. Harastalatu and/or a lack of communication	Forr Michael Finding -	5/39/2019 Project	238 box models in contribut topicon contract interest and tradeuport	The current project architecture and design should be as representative and	- The ASI continue to make undates to the BL-12 Surtem Architecture	ACAD	2 21	OW	Onen	2/21/2022 - The ASI continues to remaining previous infrastructure	06/20/2020 - Combined application is still planned. Ann still not finalized by	
could mayort the project. Seak and couldingst foul in fewar project. Statisholders. For example, the X and but comparison of the count of the project. Moreover, the project state designs, and planning decisions.  The project state designs and reposition of the state of the stat	around long-term architecture decisions	locus		system architecture decisions have not always been clearly communicated	inclusive of all known future solution plans as soon as details become	Deliverable with additional details as they become available and with any	A.A.				decisions and is recommending other tools they have deemed a better fit to	DHS From Arch nerspective, we are building in Liferay. Future Integration	4/23/21 ran - The 4SI
system despy, and planning decisions.  Dish fand not beautify communicated the decision in strates (nee for NULL) are of test) as a family manner, and the decision while the project change (see the project change) (see the project) (see th		13354	- Annuagement				d						
instances (one for DELA, nee for BEE) is a Region. Activitive plane are mediated printed continues to the project change (or get tops and design state are not fall and passing state are the followed points (EE) and DELA) states go that region and design state are not fall and passing state are the followed points (EE) and DELA) states go that region and the project change (or get tops and design state are the followed points (EE) and DELA) states go that region and the project change (or get tops and design state are the followed points (EE) and DELA) states go that region and the project change (or get tops and design state are the followed points (EE) and DELA) states go that the followed plane are also as a continue and the project change (or get tops and the project chang											ServiceNow (SN), Solunk, and Chronicle. The ASI will go live with their	originally planned for data sharing. If change is made to Adohe, this would	
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